

AMENDMENT TO THE CLAIMS

The claims in the below listing will replace all prior versions and listing of claims in the application.

1-12. (Cancelled).

13. (Currently Amended). ~~The A~~ chemical imaging system ~~of claim 12 comprising a~~ near infrared imaging detection system and a visible imagery system, wherein said near infrared imaging detection system comprises:

a) an illumination source for illuminating an area of a sample using light in the near infrared radiation wavelength;

b) a device for collecting a spectrum of near infrared wavelength radiation light transmitted, reflected, or emitted ~~or scattered~~ from said illuminated area of said sample and producing a collimated beam therefrom;

c) a near infrared imaging spectrometer for selecting a near infrared radiation ~~image~~ images of said collimated beam; and

d) a detector for collecting said ~~filtered~~ selected near infrared images[[]] ; and

e) an algorithm for processing the near infrared images collected by the detector and visible image data collected from said area of said sample using said visible imagery system.

14-26. (Cancelled).